

the input button may be discussed with respect to a crown for a watch, the devices and techniques disclosed herein are equally applicable to other types of input button structures. Accordingly, the discussion of any embodiment is meant only to be exemplary and is not intended to suggest that the scope of the disclosure, including the claims, is limited to these examples.

1-25. (canceled)

26. An electronic watch, comprising:

- a watch enclosure comprising a first electrically conductive portion and defining:
 - an interior volume; and
 - an opening extending to the interior volume;
- a crown comprising a second electrically conductive portion;
- a shaft coupled to the crown and extending through the opening and into the interior volume;
- a tactile switch positioned within the interior volume and coupled to the shaft; and
- a processor within the interior volume and electrically coupled to the crown by the tactile switch and the shaft, the processor electrically coupled to the first electrically conductive portion of the watch enclosure, wherein:

the first electrically conductive portion is configured to contact a first body part;

the second electrically conductive portion is configured to contact a second body part;

the first and second electrically conductive portions are used to detect at least one voltage; and

the processor is configured to determine an electrocardiogram at least partly from the at least one voltage.

27. The electronic watch of claim 26, wherein:

the tactile switch is configured to collapse from a default state to a collapsed state in response to a translation of the shaft from an undepressed position to a depressed position; and

the tactile switch electrically couples the processor to the crown in the default state and the collapsed state.

28. The electronic watch of claim 26, wherein the second electrically conductive portion and the shaft are electrically isolated from the watch enclosure.

29. The electronic watch of claim 26, wherein:

the at least one voltage comprises:

- a first voltage detected at the first electrically conductive portion; and
- a second voltage detected at the second electrically conductive portion; and

the processor is configured to determine the electrocardiogram by comparing the first voltage with the second voltage.

30. The electronic watch of claim 26, wherein:

the electronic watch further comprises a touch-sensitive display; and

the processor is further configured to modify a graphical output of the touch-sensitive display in response to determining the electrocardiogram.

31. The electronic watch of claim 26, further comprising a rotation sensor configured to detect a rotational input at the crown by detecting rotation of the shaft.

32. The electronic watch of claim 31, wherein:

the tactile switch is configured to detect a translational input at the crown by detecting translation of the shaft;

the electronic watch further comprises a touch-sensitive display; and

the processor is further configured to modify a graphical output of the touch-sensitive display in response to at least one of the rotational input or the translational input.

33. An electronic watch, comprising:

a watch enclosure having a first portion that is configured as a first electrode;

a touch-sensitive display positioned at least partially within the watch enclosure and configured to: receive a touch input; and display a graphical output;

a crown positioned along a side of the watch enclosure, configured to receive a rotational input and a translational input, and having a second portion that is configured as a second electrode;

a processor positioned within the watch enclosure and electrically coupled to the first and second electrodes; and

a translation sensor configured to:

detect the translational input; and

electrically couple the second electrode to the processor, wherein:

the processor is configured to:

determine an electrocardiogram measurement using the first and second electrodes; and

modify the graphical output of the touch-sensitive display in response to determining the electrocardiogram measurement.

34. The electronic watch of claim 33, wherein:

the electronic watch further comprises a conductive shaft that extends into an interior volume of the watch enclosure and defines a conductive path between the second electrode and the translation sensor; and

the conductive shaft and the translation sensor electrically couple the second electrode to the processor.

35. The electronic watch of claim 34, wherein the second electrode and the conductive shaft are electrically isolated from the watch enclosure.

36. The electronic watch of claim 34, wherein the translation sensor is a tactile switch positioned at an end of the conductive shaft.

37. The electronic watch of claim 36, wherein the tactile switch comprises a collapsible dome configured to collapse in response to translation of the conductive shaft.

38. The electronic watch of claim 33, wherein:

the first electrode is configured to contact a wrist of a user; and

the second electrode is configured to contact a finger of the user.

39. The electronic watch of claim 33, wherein the processor is further configured to modify the graphical output of the touch-sensitive display based on each of the rotational input and the translational input.

40. An electronic watch, comprising:

an enclosure comprising a conductive material and configured to contact a wrist of a user;

a crown positioned along a side of the enclosure, electrically isolated from the enclosure, and configured to be touched by a finger of the user;

a shaft coupled to the crown, extending through an opening in the enclosure, and electrically isolated from the enclosure;